



Docket: 0670-257

VERSION WITH MARKINGS TO SHOW CHANGES MADE

Please cancel claim 1.

Claim 2. (Amended) [The radio digital signal receiver according to claim 1, wherein said estimating means estimates the phase noise characteristics of the outdoor unit on the basis of the bit error rate of a predetermined polyphase PSK-modulating signal at a time when a received C/N has a predetermined value in a burst symbol reception mode for regenerating a carrier from a burst symbol signal.]

A radio digital signal receiver, comprising:

means for estimating phase noise characteristics of an outdoor unit connected to a receiving terminal of the radio digital signal receiver on the basis of the bit error rate of a predetermined polyphase PSK-modulating signal at a time when a received C/N has a predetermined value in a burst symbol reception mode for regenerating a carrier from a burst symbol signal; and

means for setting carrier regenerative loop characteristics on the basis of the estimated phase noise characteristics of the outdoor unit.

Claim 3. (Amended) The radio digital receiver according to [claim 1 or claim 2] claim 2, wherein said means for setting the loop characteristics sets a filter factor of a loop filter inserted into the carrier regenerative loop.